INTELLIGENT DO2-TRANSMITTER BDOT200

- **Microcomputer based**
- **Power Supply 85 to 264 VAC 50/60 Hz**
- **Automatic or manual temperature compensation**
- **Customized LCD-readout**
- **Digital pushbutton calibration**
- **MODBUS RS485**
- **3 Relay output 240 VAC 5A**
- **Passcode-protected Access**
- **Hold Function**
- **Test Function**
- **0,0 –20,00 mg/l, 0-200% SAT**
- **Pressure compensated 100 to 1099 kpa**
- **Calibration stored in EEPROM**
- **Programmable damping**
- **Scaleable 4-20, 0-20mA**
- **High contrast LCD display**
- **Accepts Pt-100 or Pt-1000**
- **(NEMA 4X) IP65 enclosure**
- **OEM Versions Available**

DESCRIPTION

The BASI BDOT200 DO2 transmitter is ideal for monitoring of dissolved oxygen in water.
Complete electrical isolation between measuring circuit supply and the 4-20mA output is provided.
The transmitter is housed in a IP65 (NEMA4X) enclosure suitable for field mounting.
The digital display provides a continuous display of the oxygen level and provides a convenient 'on the spot' display during calibration and setting up. Easy to follow 'on display' messages assist the user to set up and calibrate the transmitter.

TECHNICAL SPECIFICATIONS

Input	:	Polarographic electrode (Galvanic type option)
Range	:	0,0 to 20,00 mg/l, 0 to200,0 % SAT
Pressure comp.	:	100 to 1099 kpa
Salt comp.	:	0 to 4,00%
Temp input	:	Pt 1000Ω RTD (May also be set to manual temperature)
Range	:	-5,0 to 45,0°C
Output	:	4-20, 0-20mA isolated
Load	:	600Ω
Accuracy	:	< ± 0.25% FS
Linearity error	:	< ± 0.01% FS
Relay	:	3 Relay 250 VAC 5A
Communication	:	RS485 MODBUS-RTU
Display	:	Customized LCD
Supply	:	85 to 264 VAC 50/60 Hz
Ambient temp	:	-20 to +60°C RH 10-95%
Mounting	:	Field
Wiring	:	Screw terminals
Housing	:	IP65 (NEMA4X)
Isolation	:	3 way 2500 V AC/DC
Size	:	H241 x W192x D90mm
Weight	:	2,7 kg

CE

Observed authority requirements : CE-marking
Electromagnetic compatibility: EN 50081-1, EN 50082-2, EN 61010-1, 89/336/EEC

ORDERING INFORMATION

BDOT200-XX

Communication	**Electrode**
0 None	0 Polarographic electrode
1 RS-485	1 Galvanic electrode

BASI Instrument AB **Tel: +46 40-880 09** **Fax: +46 40-92 98 77**
P.O. Box 53 **SE-275 06 VOLLSJÖ……SWEDEN** **E-mail: info@basi.se**